

GP-301602

**METHOD AND APPARATUS FOR FORMING A THREADED HOLE IN
A HYDROFORMED PART**

ABSTRACT OF THE DISCLOSURE

Method and apparatus are disclosed wherein a required threaded hole is formed in a hydroformed part with a single tool while the part remains in a hydroforming die cavity. In forming the threaded hole, a hole 5 is first pierced in the wall of the part and then an annular region of the part extending about the hole is extruded inwardly to form an integral tubular neck defining a hole of predetermined depth. The hole is then expanded in a sizing operation to a diameter determined by the required thread to be formed therein by material displacement and the required thread is then 10 formed in the wall of the hole in a material displacing manner.